

STEREO MOC Status Report
Time Period: 2010:298 - 2010:304

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 298, during the DSS 25 support, the antenna was stowed at 1237z due to high winds in excess of 50 MPH. The antenna was on point at 1332z after the high wind condition subsided. SSR pointers were repositioned and all SSR data was recovered. See DR# G110714 for more information.
- On day 302, during the DSS 26 support, turbo decoder lock was lost briefly at 1320z. This resulted in the loss of two frames of instrument SSR data. A DR has been requested.
- On day 303, during the DSS 45 support, turbo decoder lock was lost intermittently at 1959z for 28 minutes due to heavy rain at Canberra. This resulted in the loss of two hours of instrument SSR data. See DR# C107700 for more information.

2. The following spacecraft/instrument events occurred during this week:

- Day 299 marked the four year anniversary of the STEREO launch.
- The average daily SSR playback volume for Ahead was 5.0 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 298, during the DSS 15 support, turbo decoder lock was lost intermittently at 0200z and again at 0223z. This resulted in the loss of several minutes of instrument SSR data. See DR# N106677 for more information.
- On day 303, during the DSS 55 support, the uplink was delayed 25 minutes due to a failed power supply. The uplink was established at 1426z. This resulted in the loss of several minutes of instrument SSR data. See DR# M106024 for more information.

2. The following spacecraft/instrument events occurred during this week:

- Day 299 marked the four year anniversary of the STEREO launch.
- On day 300, during the DSS 54 support, the telemetry modulation index was changed from 0.6 to 0.83 radians in C&DH RAM for the space weather broadcast only. This was done to lengthen the use of the space weather signal reception at the NOAA stations.
- On day 301, the 27th momentum dump was successfully executed at 1730z, which imparted a delta V of 0.0681 m/sec.
- The average daily SSR playback volume for Behind was 4.9 Gbits during this week.